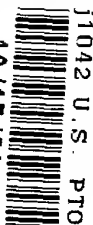


12/17/01



J1042 U.S. PTO

10622390 12/17/01

TRANSMITTAL OF UTILITY APPLICATION UNDER 37 C.F.R. §1.53		Attorney Docket No.	37851-912
		First named inventor	Manuel Vega
		Express mail label #	EL870636780US
		Date of mailing	December 17, 2001
Application Elements		Accompanying Application Papers	
1. <input checked="" type="checkbox"/> Fee Transmittal Form		6. <input type="checkbox"/> Copy of assignment from prior	
2. <input checked="" type="checkbox"/> Specification containing <u>86</u> pages (including claims and Abstract) and a Sequence Listing (725 pages).		7. <input checked="" type="checkbox"/> Small Entity Status is claimed	
a. Title: MUTANT RECOMBINANT ADENO-ASSOCIATED VIRUSES		8. <input type="checkbox"/> Preliminary Amendment	
b. Number of claims: <u>93</u>		9. <input checked="" type="checkbox"/> Return Receipt Postcard	
3. <input checked="" type="checkbox"/> <u>4</u> sheets of drawings with <u>3</u> Figs.			
4. <input type="checkbox"/> Unexecuted Declaration listing name of inventor			
5. <input checked="" type="checkbox"/> Sequence Listing			
<input checked="" type="checkbox"/> Paper copy (identical to computer copy)			
<input checked="" type="checkbox"/> Computer readable copy			
<input checked="" type="checkbox"/> Verified statement			
I declare that I, Stephanie Seidman, personally prepared the computer-readable form of the Sequence Listing set forth in above-entitled patent application and that the content of the paper copy and the computer-readable form is the same. The computer-readable file is titled 912SEQ.001.			
		SIGNATURE OF ATTORNEY/AGENT	
		HELLER EHRMAN WHITE & McAULIFFE LLP	
		Stephanie Seidman Registration Number: 33,779	
[X] Benefit of priority under 35 U.S.C. §119(e) is claimed to U.S. provisional application Serial No. 60/315,382, filed August 27, 2001, to Manuel Vega, Lila Drittanti and Marjorie Flaux, entitled "HIGH THROUGHPUT DIRECTED EVOLUTION BY RATIONAL MUTAGENESIS." The subject matter of the provisional application is incorporated in its entirety by reference thereto.			
CORRESPONDENCE ADDRESS			
NAME	Stephanie Seidman Registration No. 33,779 Heller Ehrman White & McAuliffe LLP		
Address	4350 La Jolla Village Drive, 7th Floor, San Diego, CA 92122		
	Telephone: 858.450-8400	Facsimile: 858.587-5360	

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10/022390 U.S. PTO

12/17/01

FEE TRANSMITTAL ACCOMPANYING UTILITY APPLICATION UNDER 37 C.F.R. §1.53	Attorney Docket No.	37851-912
	First named inventor	Manuel Vega
	Express mail label	EL870636780US
	Date of mailing	December 17, 2001

FEE CALCULATION FOR CLAIMS AS AMENDED

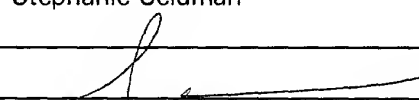
a)	Basic Fee		\$ 740.00
b)	Independent Claims $\frac{12}{93} - 3 = \frac{9}{73} \times \84.00		\$ 756.00
c)	Total Claims $\frac{93}{93} - 20 = \frac{73}{73} \times \18.00		\$1,314.00
d)	Fee for Multiple Dependent Claims - \$260.00		\$ 0.00
TOTAL FILING FEE			\$2,810.00

[X] Executed Statement(s) of Status as Small Entity
reducing Fee by one-half to \$1,405.00

[X] A check in the amount of \$1,405.00 to cover the fee for filing the application.

[] Charge \$.00 to Deposit Account No. 50-1213

[X] The Commissioner is hereby authorized to charge any fees that may be required in this application under 37 C.F.R. §§ 1.16-1.17 during its entire pendency, or credit any overpayment, to Deposit Account No. 50-1213. If proper payment is not enclosed, such as a check in the wrong amount, unsigned, post-dated, otherwise improper or informal, or absent, the Commissioner is authorized to charge the unpaid amount to Deposit Account No. 50-1213 during the entire pendency of this application. This sheet is filed in duplicate.

CORRESPONDENCE ADDRESS			
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Address	4350 La Jolla Village Drive, 6th Floor, San Diego, CA 92122		
	Telephone: 858.450.8400	Facsimile: 858.587.5360	
Submitted by:			
Typed or printed name	Stephanie Seidman		Reg. Number 33,779
Signature		Date 12/17/01	Deposit Account 50-1213